

INTUMESCENT REFLECTIVE COATING
ABSTRACT OF THE DISCLOSURE

A top coating composition useful for building materials products, especially roofing surfaces, is provided. The top coating composition provides durable exterior protection to surfaces that it applied to, and it has intumescent and reflective properties. The top coating composition includes a mixture of a polymeric binder, heat expandable graphite particles, a polymeric carrier and a pigment. The pigment is present in the coating composition in amount that is capable of providing a coating that has an initial energy efficiency rating greater than or equal to 0.65 for a low-sloped roof, or an initial energy efficiency greater than or equal to 0.25 for a steep-sloped roof. The coating composition has a solids content from about 50-75 % of which 1-10 wt. % is expandable graphite particles.